

TABLE 19

State agency expenditures for R&D for intramural performers, by state, department or agency, and source of funds: FY 2020

(Dollars)

State and department or agency	R&D expenditures for intramural performers	Source of funds					
		Federal government	Own state government	Other nonfederal governments	Nonprofit organizations	Businesses and individuals	Higher education institutions
United States ^a	692,719,374	297,266,219	344,489,185	8,539,006	14,464,456	24,437,440	3,523,068
Alabama	13,704,571	2,080,826	11,217,850	143,552	75,472	770	186,101
Conservation and Natural Resources, Department of; Wildlife and Freshwater Fisheries Division	280,032	208,057	71,205	0	0	770	0
Education, Department of	9,104,650	0	9,104,650	0	0	0	0
Forensic Sciences, Department of	262,993	0	262,993	0	0	0	0
Geological Survey	2,470,957	738,855	1,558,673	143,552	29,877	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	1,585,939	1,133,914	220,329	0	45,595	0	186,101
Alaska	10,745,451	3,001,085	5,608,966	2,135,400	0	0	0
Environmental Conservation, Department of	19,763	4,941	14,822	0	0	0	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	8,878,600	2,100,200	4,643,000	2,135,400	0	0	0
Railroad Corporation	1,712,088	787,944	924,144	0	0	0	0
Transportation and Public Facilities, Department of	135,000	108,000	27,000	0	0	0	0
Arizona	1,562,435	948,582	596,621	0	14,232	0	3,000
Game and Fish Department	1,002,814	948,582	37,000	0	14,232	0	3,000
Juvenile Corrections, Department of	559,621	0	559,621	0	0	0	0
Arkansas	189,018	55,137	133,881	0	0	0	0
Natural Heritage Commission	142,678	18,065	124,613	0	0	0	0
Transportation, Department of	46,340	37,072	9,268	0	0	0	0
California	81,087,677	5,573,168	74,760,962	728,547	0	0	25,000
Air Resources Board	10,222,932	0	10,222,932	0	0	0	0
Conservation, Department of	398,000	70,000	228,000	75,000	0	0	25,000
Earthquake Authority	500,000	0	0	500,000	0	0	0
Energy Commission	19,478,336	0	19,478,336	0	0	0	0
Environmental Health Hazard Assessment, Office of	17,372,704	0	17,372,704	0	0	0	0
Forestry and Fire Protection, Department of	500,000	0	500,000	0	0	0	0
Motor Vehicles, Department of	1,401,521	52,964	1,195,010	153,547	0	0	0
Pesticide Regulation, Department of	10,404,433	0	10,404,433	0	0	0	0
Public Health, Department of	1,351	169	1,182	0	0	0	0

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Rehabilitation, Department of	439,191	439,191	0	0	0	0	0
State Water Resources Control Board	3,188,854	1,414,404	1,774,450	0	0	0	0
Transportation, Department of	15,881,012	3,550,610	12,330,402	0	0	0	0
Water Resources, Department of	1,299,343	45,830	1,253,513	0	0	0	0
Colorado	12,047,699	3,720,497	8,256,689	69,999	0	514	0
Agriculture, Department of	305,327	300,327	5,000	0	0	0	0
Higher Education, Department of	53,135	53,135	0	0	0	0	0
Natural Resources, Department of	7,914,944	2,708,309	5,136,122	69,999	0	514	0
Public Health and Environment, Department of	2,344,944	0	2,344,944	0	0	0	0
Public Safety, Department of	826,494	55,871	770,623	0	0	0	0
Transportation, Department of	602,855	602,855	0	0	0	0	0
Connecticut	25,868,030	10,960,026	14,908,004	0	0	0	0
Agricultural Experiment Station	12,445,226	5,337,429	7,107,797	0	0	0	0
Energy and Environmental Protection, Department of	6,802,949	4,790,186	2,012,763	0	0	0	0
Mental Health and Addiction Services, Department of	6,310,349	626,074	5,684,275	0	0	0	0
Transportation, Department of	309,506	206,337	103,169	0	0	0	0
Delaware	2,312,965	515,084	1,777,081	0	20,800	0	0
Geological Survey	2,133,165	405,384	1,727,781	0	0	0	0
Natural Resources and Environmental Control, Department of	159,000	109,700	49,300	0	0	0	0
Sustainable Energy Utility	20,800	0	0	0	20,800	0	0
District of Columbia	2,510,818	1,151,218	1,328,100	0	31,500	0	0
Energy and Environment, Department of	230,000	70,000	160,000	0	0	0	0
Forensic Sciences, Department of	114,283	30,000	52,783	0	31,500	0	0
Health, Department of	1,037,450	947,950	89,500	0	0	0	0
Transportation, Department of	129,085	103,268	25,817	0	0	0	0
Water and Sewer Authority	1,000,000	0	1,000,000	0	0	0	0
Florida	52,430,371	14,172,701	32,435,980	2,837	214,843	5,192,342	411,668
Agriculture and Consumer Services, Department of	2,169,058	2,013,715	155,343	0	0	0	0
Citrus, Department of	156,535	0	156,535	0	0	0	0

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Fish and Wildlife Conservation Commission	48,601,987	12,158,986	30,621,311	2,837	214,843	5,192,342	411,668
Transportation, Department of	1,502,791	0	1,502,791	0	0	0	0
Georgia	2,648,196	2,549,282	98,914	0	0	0	0
Natural Resources, Department of	214,928	116,014	98,914	0	0	0	0
Southern States Energy Board	2,433,268	2,433,268	0	0	0	0	0
Hawaii	6,531,042	5,876,055	654,987	0	0	0	0
Agriculture, Department of	384,418	384,418	0	0	0	0	0
Business, Economic Development, and Tourism, Department of	5,996,624	5,491,637	504,987	0	0	0	0
Natural Energy Laboratory	150,000	0	150,000	0	0	0	0
Idaho	7,967,885	6,773,965	1,123,739	0	0	70,181	0
Agriculture, Department of	1,300	1,300	0	0	0	0	0
Fish and Game, Department of	7,845,168	6,675,531	1,099,456	0	0	70,181	0
Transportation Department	121,417	97,134	24,283	0	0	0	0
Illinois	626,262	0	626,262	0	0	0	0
Transportation, Department of	626,262	0	626,262	0	0	0	0
Indiana	92,268	69,814	17,454	5,000	0	0	0
St. Joseph River Basin Commission	5,000	0	0	5,000	0	0	0
Transportation, Department of	87,268	69,814	17,454	0	0	0	0
Iowa	3,430,444	1,447,181	1,951,954	31,309	0	0	0
Corrections	470,931	0	454,931	16,000	0	0	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	417,493	220,463	181,721	15,309	0	0	0
Natural Resources, Department of	2,542,020	1,226,718	1,315,302	0	0	0	0
Kansas	999,734	753,195	246,539	0	0	0	0
State Board of Regents	5,491	0	5,491	0	0	0	0
Transportation, Department of	937,241	746,193	191,048	0	0	0	0
Water Office	57,002	7,002	50,000	0	0	0	0
Kentucky	1,752,643	1,073,088	679,555	0	0	0	0
Fish and Wildlife Resources, Department of	1,752,643	1,073,088	679,555	0	0	0	0
Louisiana	11,101,353	8,193,096	2,908,257	0	0	0	0
Coastal Protection and Restoration Authority	475,534	25,612	449,922	0	0	0	0
Education, Department of	326,982	155,251	171,731	0	0	0	0
Transportation and Development, Department of	4,500,000	3,600,000	900,000	0	0	0	0

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Wildlife and Fisheries, Department of	5,798,837	4,412,233	1,386,604	0	0	0	0
Maine	4,038,999	2,853,740	1,166,343	0	0	18,916	0
Agriculture, Conservation and Forestry, Department of	565,473	120,746	444,727	0	0	0	0
Inland Fisheries and Wildlife, Department of	763,201	590,794	153,491	0	0	18,916	0
Marine Resources, Department of	2,348,325	1,852,200	496,125	0	0	0	0
Transportation, Department of	362,000	290,000	72,000	0	0	0	0
Maryland	659,436	180,086	344,167	0	55,183	80,000	0
Natural Resources, Department of	79,183	12,000	12,000	0	55,183	0	0
Transportation, Department of	580,253	168,086	332,167	0	0	80,000	0
Massachusetts	9,681,990	6,242,507	3,439,483	0	0	0	0
Environmental Protection, Department of	248,990	22,507	226,483	0	0	0	0
Fish and Game, Department of	9,333,000	6,220,000	3,113,000	0	0	0	0
Water Resources Authority	100,000	0	100,000	0	0	0	0
Michigan	527,096	0	527,096	0	0	0	0
Environmental, Great Lakes and Energy, Department of	527,096	0	527,096	0	0	0	0
Minnesota	2,583,398	947,024	1,636,374	0	0	0	0
Agriculture, Department of	886,703	0	886,703	0	0	0	0
Forest Resources Council	100,000	0	100,000	0	0	0	0
Natural Resources, Department of	1,591,195	947,024	644,171	0	0	0	0
Transportation, Department of	5,500	0	5,500	0	0	0	0
Mississippi	1,236,050	765,127	409,288	61,635	0	0	0
Environmental Quality, Department of	110,635	110,635	0	0	0	0	0
Marine Resources, Department of	304,290	111,240	131,415	61,635	0	0	0
Transportation, Department of	3,071	2,457	614	0	0	0	0
Wildlife, Fisheries, and Parks, Department of	818,054	540,795	277,259	0	0	0	0
Missouri	8,112,983	3,249,228	4,863,755	0	0	0	0
Conservation, Department of	8,068,161	3,237,906	4,830,255	0	0	0	0
Health and Senior Services, Department of	29,761	11,322	18,439	0	0	0	0
Natural Resources, Department of	15,061	0	15,061	0	0	0	0
Montana	6,104,413	2,567,184	556,128	0	2,981,101	0	0

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Environmental Quality, Department of	92,296	40,921	51,375	0	0	0	0
Fish, Wildlife and Parks, Department of	5,916,231	2,449,554	485,576	0	2,981,101	0	0
Transportation, Department of	95,886	76,709	19,177	0	0	0	0
Nebraska	2,342,783	1,614,866	727,917	0	0	0	0
Game and Parks Commission	2,332,795	1,614,866	717,929	0	0	0	0
Natural Resources, Department of	9,988	0	9,988	0	0	0	0
Nevada	188,146	128,146	60,000	0	0	0	0
Agriculture, Department of	188,146	128,146	60,000	0	0	0	0
New Hampshire	49,309	39,447	9,862	0	0	0	0
Transportation, Department of	49,309	39,447	9,862	0	0	0	0
New Jersey	2,624,342	437,738	2,186,604	0	0	0	0
Children and Families, Department of	181,115	9,406	171,709	0	0	0	0
Corrections, Department of	305,895	0	305,895	0	0	0	0
Environmental Protection, Department of	1,802,000	93,000	1,709,000	0	0	0	0
Pinelands Commission	335,332	335,332	0	0	0	0	0
New Mexico	2,594,660	1,864,128	627,532	0	103,000	0	0
Cultural Affairs, Department of	103,000	0	0	0	103,000	0	0
Game and Fish, Department of	500,000	250,000	250,000	0	0	0	0
Transportation, Department of	1,991,660	1,614,128	377,532	0	0	0	0
New York	278,751,443	143,087,081	101,573,996	1,668,591	10,928,665	18,691,286	2,801,824
Agriculture and Markets, Department of	2,290,000	2,290,000	0	0	0	0	0
Energy Research and Development Authority	8,152,894	0	8,152,894	0	0	0	0
Environmental Conservation, Department of	4,490,190	1,372,807	3,117,383	0	0	0	0
Health, Department of	32,566,879	19,197,650	10,157,327	1,396,591	1,655,018	131,922	28,371
Mental Health, Office of	144,972,379	72,133,317	57,000,000	0	7,865,806	5,807,396	2,165,860
People with Developmental Disabilities, Office of	2,136,105	1,624,860	157,402	0	353,843	0	0
Power Authority	5,915,635	0	5,643,635	272,000	0	0	0
Roswell Park Comprehensive Cancer Center	66,297,074	44,803,984	7,079,531	0	1,053,998	12,751,968	607,593
State Museum	10,089,582	191,899	9,897,683	0	0	0	0
Transportation, Department of	1,840,705	1,472,564	368,141	0	0	0	0
North Carolina	17,813,294	1,369,902	16,443,392	0	0	0	0

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Agriculture and Consumer Services, Department of	13,922,911	0	13,922,911	0	0	0	0
Environmental Quality, Department of	1,421,353	871,398	549,955	0	0	0	0
Natural and Cultural Resources, Department of	1,690,939	4,844	1,686,095	0	0	0	0
Transportation, Department of	778,091	493,660	284,431	0	0	0	0
North Dakota	346,342	156,288	190,054	0	0	0	0
Historical Society of North Dakota	223,743	58,209	165,534	0	0	0	0
Transportation, Department of	122,599	98,079	24,520	0	0	0	0
Ohio	2,005,523	1,305,632	699,891	0	0	0	0
Environmental Protection Agency	53,352	53,352	0	0	0	0	0
Natural Resources, Department of	1,952,171	1,252,280	699,891	0	0	0	0
Oklahoma	2,015,986	1,373,253	622,733	20,000	0	0	0
Grand River Dam Authority	140,000	0	140,000	0	0	0	0
Health, Department of	527,041	457,041	50,000	20,000	0	0	0
Human Services, Department of	457,147	380,434	76,713	0	0	0	0
Transportation, Department of	844,589	500,371	344,218	0	0	0	0
Wildlife Conservation, Department of	47,209	35,407	11,802	0	0	0	0
Oregon	15,852,036	9,822,576	5,531,176	498,284	0	0	0
Education, Department of	639,639	146,584	493,055	0	0	0	0
Environmental Quality, Department of	433,500	0	408,500	25,000	0	0	0
Fish and Wildlife, Department of	11,265,588	8,561,667	2,703,921	0	0	0	0
Forestry, Department of	449,480	25,000	413,480	11,000	0	0	0
Geology and Mineral Industries, Department of	496,117	421,307	74,810	0	0	0	0
Human Services, Department of	1,488,479	599,557	794,386	94,536	0	0	0
Transportation, Department of	81,545	65,236	16,309	0	0	0	0
Water Resources Department	987,464	0	619,716	367,748	0	0	0
Watershed Enhancement Board	10,224	3,225	6,999	0	0	0	0
Pennsylvania	7,874,722	4,771,022	2,939,149	163,303	1,248	0	0
Conservation and Natural Resources, Department of	1,248	0	0	0	1,248	0	0
Environmental Protection, Department of	18,052	10,830	7,222	0	0	0	0
Fish and Boat Commission	161,651	85,806	74,042	1,803	0	0	0
Game Commission	7,358,771	4,500,886	2,857,885	0	0	0	0

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Susquehanna River Basin Commission	335,000	173,500	0	161,500	0	0	0
Rhode Island	3,098,833	1,620,109	1,478,724	0	0	0	0
Environmental Management, Department of; Marine Fisheries	2,799,416	1,490,720	1,308,696	0	0	0	0
Environmental Management, Department of; Narragansett Bay National Estuarine Research Reserve	76,014	18,540	57,474	0	0	0	0
Water Resources Board	223,403	110,849	112,554	0	0	0	0
South Carolina	27,894,342	19,807,012	7,975,155	0	16,700	0	95,475
Health and Environmental Control, Department of	1,233,275	1,233,275	0	0	0	0	0
Natural Resources, Department of	24,796,999	17,421,557	7,326,068	0	0	0	49,374
Sea Grant Consortium	1,843,674	1,152,180	628,693	0	16,700	0	46,101
Transportation, Department of	20,394	0	20,394	0	0	0	0
South Dakota	327,346	176,221	151,125	0	0	0	0
Soybean Research and Promotion Council	25,724	0	25,724	0	0	0	0
Transportation, Department of	301,622	176,221	125,401	0	0	0	0
Tennessee	1,607,509	960,341	636,455	0	10,713	0	0
Education, Department of	1,052,595	738,250	303,632	0	10,713	0	0
Environment and Conservation, Department of	372,341	131,061	241,280	0	0	0	0
Geological Survey	182,573	91,030	91,543	0	0	0	0
Texas	3,165,023	1,622,752	1,542,271	0	0	0	0
Environmental Quality, Commission on	42,206	0	42,206	0	0	0	0
Parks and Wildlife Department	2,470,790	1,587,493	883,297	0	0	0	0
State Health Services, Department of	652,027	35,259	616,768	0	0	0	0
Utah	6,070,743	213,721	5,857,022	0	0	0	0
Environmental Quality, Department of	103,210	37,390	65,820	0	0	0	0
Health, Department of	4,850	150	4,700	0	0	0	0
Natural Resources, Department of	4,841,922	0	4,841,922	0	0	0	0
Transportation, Department of	1,120,761	176,181	944,580	0	0	0	0
Vermont	633,399	587,080	46,319	0	0	0	0
Human Services, Agency of	215,000	215,000	0	0	0	0	0
Transportation, Agency of	418,399	372,080	46,319	0	0	0	0
Virginia	12,627,565	4,840,559	7,727,006	0	0	60,000	0

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Aging and Rehabilitative Services, Department of	28,028	28,028	0	0	0	0	0
Environmental Quality, Department of	34,102	34,102	0	0	0	0	0
Forensic Science, Department of	971,793	285,878	685,915	0	0	0	0
Forestry, Department of	533,801	412,350	121,451	0	0	0	0
Innovative Technology, Center for	674,351	303,768	370,583	0	0	0	0
Institute for Advanced Learning and Research	60,000	0	0	0	0	60,000	0
Marine Resources Commission	204,543	204,543	0	0	0	0	0
Mines, Minerals and Energy, Department of	903,212	381,464	521,748	0	0	0	0
Social Services, Department of	10,000	0	10,000	0	0	0	0
Transportation, Department of	9,207,735	3,190,426	6,017,309	0	0	0	0
Washington	23,415,061	8,746,207	11,579,724	3,004,700	10,999	73,431	0
Ecology, Department of	887,977	181,306	705,671	0	1,000	0	0
Fish and Wildlife, Department of	9,569,456	5,705,885	876,046	2,987,525	0	0	0
Health, Department of	1,057,809	825,726	232,083	0	0	0	0
Labor and Industries, Department of	3,279,219	689,081	2,590,138	0	0	0	0
Natural Resources, Department of	5,721,319	283,299	5,410,846	17,175	9,999	0	0
Transportation, Department of	1,293,000	1,051,000	242,000	0	0	0	0
Tree Fruit Research Commission	1,606,281	9,910	1,522,940	0	0	73,431	0
West Virginia	3,317,637	1,617,169	1,695,869	4,599	0	0	0
Agriculture, Department of	202,365	202,365	0	0	0	0	0
Geological and Economic Survey	1,576,721	166,846	1,405,276	4,599	0	0	0
Higher Education Policy Commission	400,180	400,180	0	0	0	0	0
Justice and Community Services, Division of	8,000	0	8,000	0	0	0	0
Natural Resources, Department of	1,130,371	847,778	282,593	0	0	0	0
Wisconsin	4,674,607	3,629,052	1,045,555	0	0	0	0
Natural Resources, Department of	4,402,853	3,415,878	986,975	0	0	0	0
Transportation, Department of	271,754	213,174	58,580	0	0	0	0
Wyoming	2,875,496	1,757,021	867,225	1,250	0	250,000	0
Corrections, Department of	123,280	0	123,280	0	0	0	0
Enhanced Oil Recovery Institute	1,000,000	500,000	250,000	0	0	250,000	0

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Game and Fish Department	1,476,267	1,011,456	463,561	1,250	0	0	0
State Geological Survey	184,676	172,547	12,129	0	0	0	0
Transportation, Department of	91,273	73,018	18,255	0	0	0	0

^a U.S. total reflects all 50 states and the District of Columbia.**Note(s):**

Intramural performers include a department's or agency's own employees who perform R&D and services performed by others in support of an internal R&D project.

Source(s):

National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FY 2020.